Index to Authors

Volume 50, 1959-1960

ALBRIGHT, G. H., The Architect and Architectural Engineer in the Nuclear Age .....F, 375
ALEXANDER, W. T., Engineering Education, Experience and Expectations..O, 10
ALPERN, M., Consulting Practice for Professional Development of the Young Engineering Teacher .....O, 81
ANDERSON, L. B., Who Teaches the Teacher? .....O, 33
——, To *All* Engineering Teachers ....D, 254
ARMSBY, H. H., Transfers to Schools or Colleges of Engineering—1951, 1952, 1953, and 1959 .....Je, 869
——, and W. E. TOLLIVER, Engineering Enrollments and Degrees in ECPD-Accredited Institutions: 1959 ...YB, 450
ATCHISON, W. F., Numerical Analysis and Computers in Engineering Education .....Je, 856

BAILEY, H., and D. WHITWER, ASEE-AEC Summer Institute for Technical Institute Teachers .....F, 447
BAKER, M., and W. JENKINS, Report on Indonesian Adventure .....My, 728
BALISE, P. L., Planning a Good Professional Meeting .....O, 41
BARISH, N. N., and R. A. KATZELL, Education and Research in Industrial Behavior .....O, 54
BJORK, R. E., Engineering Education in an International Perspective ...My, 683
BRAINERD, J. G., Setting Up a Computing Faculty in a School of Engineering .....Je, 846
BRIDGMAN, D. S., *et al.*, Engineering Student Dropouts .....A, 611
BRONWELL, A., Needed—A Forum for Research Philosophy .....N, 152
BROWN, C. A., ASEE Can Meet the Challenge—Through Flexible Organization .....N, 121
BRUNNER, K. A., and D. G. MORRISON, Engineering Technical Institute Enrollments and Graduations in ECPD-Listed Institutions: 1957 .....N, 136
BUER, F. Y., Mechanical Engineering Education in Norway Today ...My, 698
BUHL, H. R., All You Need is a Handbook .....J, 312

CARSON, G. B., New Horizons for Experimental Investigation in the Mechanical Engineering Curricula .....Je, 877
CARVER, C. E., JR., The Role of Engineering in the Geophysical Sciences F, 408
CHAPMAN, S. W., Where Do We Get Our Ethics? .....M, 548
CHRISTENSEN, G. J., Chow Line or Cafeteria .....M, 572
COLLINS, W. L., Do You Know .....O, 3 N, 99; D, 195; J, 291, F, 371; M, 519; A, 599; My, 679; Je, 831.
COOK, R. H., Coordination of Mathematics and Physics .....A, 631
COONS, S. A., Graphics in Research ...J, 330

DESCHERE, A. R., A Small Rocket for Laboratory Demonstration .....D, 251
DOWNING, L. K., and G. R. SHAW, Civil Engineering Division Bulletin ....M, 594
DRUCKER, D. C., Manufacturing Processes Courses .....Je, 884
DUPONT, H. B., The Technical Graduate in Industry .....Je, 874
DUNSMUIR, P. G., and J. S. WIGNALL, A Study of the Properties of Engineering Materials .....Je, 879

EASTON, E. C., Adapting American Education to the Needs of Engineering Students from East Africa .....My, 743
EMBLER, W., The Integrated Program in the Humanities and Social Sciences A, 644
EPPERS, W. C., JR., and F. R. SMITH, Organized Help for High School Science Teachers .....O, 44
ERMENC, J. J., The Convergence of Engineering and Liberal Arts Education .....A, 640
EVERITT, W. L., New Tools for New Engineers .....N, 103

FARWELL, R. S., JR., Advising Engineering Students .....F, 429
FOECKE, H. A., Engineering Faculty Recruitment, Development, and Utilization .....My, 757
FONDILLER, W., Engineering Education in Israel .....My, 707
FONTAINE, T. D., National Science Foundation Fellowships Programs .....D, 216
FREUND, C. J., If You Are Going Out to Asia .....My, 713

GEHMAN, W. S., *et al.*, Application of New Kuder Engineering Scales for Counseling University Students ..N, 166
GILKEY, H. J., Definition of Engineering—A Counter Proposal .....D, 257
GIORDANO, A. B., Part-time Graduate Study in the New York Metropolitan Area .....M, 574

HAACK, D. C., The Place of Mechanics as an Essential Foundation of the Engineering Sciences .....A, 656
HALL, N. A., Introduction to Comments from the Soviet Union on the Report of the Engineering Education Exchange Mission .....F, 388
HALL, R. C., Student Leadership Training in the Laboratory .....F, 415
HALL, W. J., and J. D. HALTIWANGER, Statics and Dynamics in Undergraduate Civil Engineering Education .....A, 658
HALTIWANGER, J. D., and W. J. HALL, Statics and Dynamics in Undergraduate Civil Engineering Education .....A, 658
HAZEN, H. L., Reevaluation of Techniques .....N, 118
HEEBINK, D. V., "Feedback" on Classroom Performance .....A, 673
HELLWARTH, A. R., *et al.*, Why They Quit Teaching .....D, 232
HIGDON, A., Mechanics Division Bulletin D, 262
A, 654
HOLDERMAN, K. L., The Effect of the National Defense Education Act on Engineering Education .....M, 544
HOWE, J. W., How Is Mechanics of Fluids Being Taught? .....A, 666
HUTCHESON, J. A., Engineering for the Future .....A, 602

INGRAM, S. B., Education for the Age of Technology .....N, 159

JACKSON, M. L., Evaluation of Teaching Effectiveness .....Je, 866
JENKINS, W., and M. BAKER, Report on Indonesian Adventure .....My, 728
JOHNSON, A. F., and D. J. MAYHEW, Teaching Machines .....O, 51
JOHNSON, A. P., Engineering Guidance Assistance to Secondary Schools ..F, 411
KARPINSKI, R. W., French Engineering Schools .....My, 694
KATZ, A., Do Computers Belong in the Engineering Curricula .....Je, 835
KATZELL, R. A., and N. N. BARISH, Education and Research in Industrial Behavior .....O, 54
KATZENMEYER, W. G., *et al.*, Application of New Kuder Engineering Scales for Counseling University Students N, 166
KOBAYASHI, F. M., *et al.*, Support of Basic Research by the Engineering Sciences Program of the National Science Foundation .....D, 207
KOEHLER, W. A., Faculty Compensation for Sponsored Research: Good or Bad? .....M, 569
KRAYBILL, E. K., *et al.*, Application of New Kuder Engineering Scales for Counseling University Students ...N, 166
KREITH, F., and PRESTON PARR, A Proposal for the Unification of Student Engineering Societies .....M, 551

LAMPE, J. H., and H. A. MEYERHOFF, Report of ASEE Representatives to the American Association for the Advancement of Science .....N, 176
LEE, J. F., Statistical Thermodynamics M, 560
LONG, L., and J. D. PERRY, Effect of High School Solid Geometry and Mechanical Drawing on College Grades in Descriptive Geometry .....A, 627
LUCK, L. D., The Use of a Modern Computer as a Teaching Aid in Structural Analysis and Design .....Je, 860

MALTI, M. G., Technical Education and Research in India .....My, 719
MARTINEZ, J. L., Experimental Educational Television .....M, 541
MATCHETT, G. J., Engineering Economy Courses in Educational Institutions F, 418
MAYHEW, D. J., and A. F. JOHNSON, Teaching Machines .....O, 51
MCCRENSKY, E., Highlights of Engineering Education in Great Britain and Europe .....My, 690
MCNEICE, W. H., and A. K. SIBLEY, Education for Survival .....M, 523
MEYERHOFF, H. A., and J. H. LAMPE, Report of ASEE Representatives to the American Association for the Advancement of Science .....N, 176
MILLER, C. L., and W. W. SEIFERT, The Faculty and the Computer—Some Problems and Goals .....Je, 839
MOORE, H. D., A Modern Approach to Teaching Manufacturing Processes .J, 316
MORGEN, R. A., Sponsored Research—Good or Bad? .....M, 565
MORRISON, D. G., and K. A. BRUNNER, Engineering Technical Institute Enrollments and Graduations in ECPD-Listed Institutions: 1957 .....N, 136
MUKHIN, G. G., Comments from the Soviet Union on the Report of the Engineering Education Exchange Mission .....F, 388
MURRAY, R. I., and R. K. PEFLEY, Experience in Teaching Thermo-Dynamics and Fluid Mechanics as an Integrated Course .....O, 77

NIEDENFUHR, F. W., Deflection of Beams D, 273
——, The Elementary Torsion Problem .....A, 662

OWENS, B., Effective Utilization of Staff and Facilities .....F, 424

PARR, P., and F. KRIETH, A Proposal for the Unification of Student Engineering Societies .....M, 551

PEARSON, J. R., Adapting American Education to the Needs of Technical Students from Rapidly Developing Countries .....My, 738

PECK, R. B., The Teaching and Practice of Soil Mechanics—A Second Comparison .....J, 309

PEFLEY, R. K., and R. I. MURRAY, Experience in Teaching Thermodynamics and Fluid Mechanics as an Integrated Course .....O, 77

PERRY, J. D., and L. LONG, Effect of High School Solid Geometry and Mechanical Drawing on College Grades in Descriptive Geometry .....A, 627

PETTIT, J. M., Part-Time Graduate Electrical Engineering Programs in the San Francisco Bay Area .....M, 582

PICHA, K. G., *et al.*, Support of Basic Research by the Engineering Sciences Program of the National Science Foundation .....D, 207

POTTER, J. H., A Doctoral Program for the Small Engineering College ...O, 46

POTTS, P. O., Drawing by Remote Control .....J, 321

REEDS, J. N., *et al.*, Support of Basic Research by the Engineering Sciences Program of the National Science Foundation .....D, 207

RITCHEY, J. A., Utilization of Engineering Faculty Time .....D, 244

ROBERSON, J. A., Teaching Efficiency and Class Size .....O, 37

ROGERS, A. E., The Analog Computer in Modern Design .....N, 107

RUSSELL, J. P., The Teaching of Modern Mathematics to Engineers .....F, 437

SCHMIDT, A. X., What *is* the Current B. Ch. E. Curriculum? .....O, 65

SCOTT, N. R., Computer Design Courses in the Engineering Curriculum ...Je, 852

SEEGER, R. J., Physics and Engineering Education: Complementary or Supplementary? .....M, 556

SEIFERT, W. W., and C. L. MILLER, The Faculty and the Computer—Some Problems and Goals .....Je, 839

SHALER, A. J., The Preparation of College Freshmen for Technological Studies F, 396

SHAMIS, S. S., The New York University Graduate Center at Bell Laboratories .....M, 587

SHANK, D. J., Exchange Education in Engineering .....J, 328

SHARP, E. R., Space Technology .....N, 113

SHAW, G. R., Civil Engineering Division Bulletin .....M, 594

SIBLEY, A. K., and W. H. MCNEICE, Education for Survival .....M, 523

SINGER, F. L., The National Standard Examination in Mechanics .....D, 263

SMITH, F. R., and W. C. EPPERS, Organized Help for High School Science Teachers .....O, 44

SMITH, L. G., What Caused College Students to Study Engineering ...M, 537

SMITH, R. V., A Note on Dimensional Analysis .....O, 63

STEINBERG, E. R., Who Am I and Who Are You? .....A, 650

STEINBERG, S. S., Aeronautical Research in South America .....My, 734

TELLER, A. J., The First Half or the Whole Engineer .....Je, 886

THOMAS, R. D., Welding Education in the Engineering Curricula .....Je, 883

TOLLIVER, W. E., and H. H. ARMSBY, Engineering Enrollments and Degrees in ECPD-Accredited Institutions: 1959 .....YB, 450

TORPEY, W. G., Adequacy of Technical Institute Curricula .....N, 131

TRATHEN, R. H., Two Years of Experimental Work on Various Teaching Methods and Class Sizes .....F, 380

TYLER, R. W., The Evaluation of Teaching .....Je, 863

WALKER, E. A., ASEE Can Meet the Challenge—Through Reorientation N, 125

WARNOCK, W. G., A Mathematician in an Engineering School .....F, 441

WAYNICK, A. H., *et al.*, Support of Basic Research by the Engineering Sciences Program of the National Science Foundation .....D, 207

WHITLOCK, B. W., The Mark of an Educated Man .....A, 636

WHITWER, D., and H. BAILEY, ASEE-AEC Summer Institute for Technical Institute Teachers .....F, 447

WIGNALL, J. S., and P. G. DUNSMUIR, A Study of the Properties of Engineering Materials .....Je, 879

WISLICENUS, G. F., Introducing Engineering Students to Fluid Mechanics D, 268

WOOLRICH, W. R., A New Middle Eastern University with Modern Western World Objectives .....My, 703

WORK, C. E., Programs for Employing Faculty Members in Industry, Summer, 1960 .....J, 300

Title Index

Volume 50, 1959-1960

ADAPTING AMERICAN EDUCATION TO THE NEEDS OF ENGINEERING STUDENTS FROM EAST AFRICA .....My, 743
ADAPTING AMERICAN EDUCATION TO THE NEEDS OF TECHICAL STUDENTS FROM RAPIDLY DEVELOPING COUNTRIES My, 738
ADEQUACY OF TECHNICAL INSTITUTE CURRICULA .....N, 131
ADVISING ENGINEERING STUDENTS .....F, 429
AERO DIVISION BULLETIN .....Je, 896
AERONAUTICAL RESEARCH IN SOUTH AMERICA .....My, 734
ALL YOU NEED IS A HANDBOOK .....J, 312
THE ANALOG COMPUTER IN MODERN DESIGN .....N, 107
ANNOUNCEMENT OF AWARDS .....N, 178
ANNUAL MEETING—AT THE CROSSROADS J, 294
ANNUAL MEETINGS OF THE ASEE ...YB, 499
APPLICATION OF NEW KUDER ENGINEERING SCALES FOR COUNSELING UNIVERSITY STUDENTS .....N, 166
THE ARCHITECT AND ARCHITECTURAL ENGINEER IN THE NUCLEAR AGE ..F, 375
ASEE-AEC SUMMER INSTITUTE FOR TECHNICAL INSTITUTE TEACHERS ..F, 447
ASEE AUDIT REPORT FOR THE YEAR ENDED JUNE 30, 1959 .....YB, 468
ASEE CAN MEET THE CHALLENGE—THROUGH FLEXIBLE ORGANIZATION N, 121
ASEE CAN MEET THE CHALLENGE—THROUGH REORIENTATION .....N, 125
AWARDS AND RECIPIENTS .....YB, 496

B. RICHARD TEARE, JR., NEW PRESIDENT OF ASEE .....O, 9
BY-LAWS, ECAC .....YB, 514
BY-LAWS, ECRC .....YB, 511

CANDID COMMENTS
O, 83; N, 181; F, 407; A, 671; Je, 889
CHOW LINE OR CAFETERIA .....M, 572
CIVIL ENGINEERING DIVISION BULLETIN .....M, 594
COLLEGE AND UNIVERSITY SHORT COURSES AND CONFERENCES, 1959-1960 .....J, 336
COLLEGE AND UNIVERSITY SHORT COURSES AND CONFERENCES, 1960 .....My, 748
COMMENTS FROM THE SOVIET UNION ON THE REPORT OF THE ENGINEERING EDUCATION EXCHANGE MISSION ...F, 388
COMPUTER DESIGN COURSES IN THE ENGINEERING CURRICULUM .....Je, 852
CONSTITUTION AND BY-LAWS .....YB, 502
CONSULTING PRACTICE FOR PROFESSIONAL DEVELOPMENT OF THE YOUNG ENGINEERING TEACHER .....O, 81
CONVERGENCE OF ENGINEERING AND LIBERAL ARTS EDUCATION .....A, 640
COORDINATION OF MATHEMATICS AND PHYSICS .....A, 631
CURTIS W. MCGRAW AWARD .....O, 30

DEFINITION OF ENGINEERING—A COUNTER PROPOSAL .....D, 257
DEFLECTION OF BEAMS .....D, 273
DO COMPUTERS BELONG IN THE ENGINEERING CURRICULA .....Je, 835
DO YOU KNOW ...O, 3; N, 99; D, 195; J, 291; F, 371; M, 519; A, 599; My, 679; Je, 831
DOCTORAL PROGRAM FOR THE SMALL ENGINEERING COLLEGE .....O, 46
DRAWING BY REMOTE CONTROL .....J, 321

EDUCATION AND RESEARCH IN INDUSTRIAL BEHAVIOR .....O, 54
EDUCATION FOR THE AGE OF TECHNOLOGY .....N, 159
EDUCATION FOR SURVIVAL .....M, 523
EFFECT OF HIGH SCHOOL SOLID GEOMETRY AND MECHANICAL DRAWING ON COLLEGE GRADES IN DESCRIPTIVE GEOMETRY .....A, 627
THE EFFECT OF THE NATIONAL DEFENSE EDUCATION ACT ON ENGINEERING EDUCATION .....M, 544
EFFECTIVE UTILIZATION OF STAFF AND FACILITIES .....F, 424
ELEMENTARY TORSION PROBLEM .....A, 662
ENGINEERING AT PURDUE .....A, 608
ENGINEERING COLLEGE ADMINISTRATIVE COUNCIL .....YB, 478
ENGINEERING COLLEGE RESEARCH COUNCIL .....YB, 477
ENGINEERING ECONOMY COURSES IN EDUCATIONAL INSTITUTIONS .....F, 418
ENGINEERING ECONOMY SUMMER SCHOOL N, 106
ENGINEERING EDUCATION, EXPERIENCE AND EXPECTATIONS .....O, 10
ENGINEERING EDUCATION IN AN INTERNATIONAL PERSPECTIVE .....My, 683
ENGINEERING EDUCATION IN ISRAEL ..My, 707
ENGINEERING ENROLLMENTS AND DEGREES IN ECPD-ACCREDITED INSTITUTIONS: 1959 .....YB, 450
ENGINEERING FACULTY RECRUITMENT, DEVELOPMENT, AND UTILIZATION ...My, 757
ENGINEERING FOR THE FUTURE .....A, 602
ENGINEERING GUIDANCE ASSISTANCE TO SECONDARY SCHOOLS .....F, 411
ENGINEERING SCIENCE AND THE NATIONAL SCIENCE FOUNDATION .....D, 199
ENGINEERING STUDENT DROPOUTS .....A, 611
ENGINEERING SUMMER SCHOOLS, 1930–1960 .....YB, 501

ENGINEERING TECHNICAL INSTITUTE ENROLLMENTS AND GRADUATIONS IN ECPD-LISTED INSTITUTIONS: 1957 N, 136
EVALUATION OF TEACHING ....Je, 863
EVALUATION OF TEACHING EFFECTIVENESS ....Je, 866
EXCHANGE EDUCATION IN ENGINEERING .J, 328
EXPERIENCE IN TEACHING THERMODYNAMICS AND FLUID MECHANICS AS AN INTEGRATED COURSE ....O, 77
EXPERIMENTAL EDUCATIONAL TELEVISION M, 541

FACULTY AND THE COMPUTER—SOME PROBLEMS AND GOALS ....Je, 839
FACULTY COMPENSATION FOR SPONSORED RESEARCH: GOOD OR BAD? ....M, 569
'FEEDBACK' ON CLASSROOM PERFORMANCE A, 673
FIRST HALF OR THE WHOLE ENGINEER .Je, 886
FOURTH ENGINEERING TECHNICIAN SURVEY OF ENROLLMENTS AND GRADUATES, 1957–1958 AND 1958–1959 ....D, 230
FRENCH ENGINEERING SCHOOLS (AND RESEARCH INSTITUTIONS) ....My, 694

GEOGRAPHICAL LISTING OF ACTIVE AND AFFILIATE INSTITUTIONAL MEMBERS BY SECTIONS ....YB, 490
GEORGE WESTINGHOUSE AWARD ....O, 26
GRAPHICS IN RESEARCH ....J, 330

HIGHLIGHTS OF ENGINEERING EDUCATION IN GREAT BRITAIN AND EUROPE ..My, 690
HOW IS MECHANICS OF FLUIDS BEING TAUGHT? ....A, 666

IF YOU ARE GOING OUT TO ASIA ....My, 713
INDUSTRIAL FELLOWSHIP PROGRAM OF ASEE ....N, 179
INTEGRATED PROGRAM IN THE HUMANITIES AND SOCIAL SCIENCES ....A, 644
INTRODUCING ENGINEERING STUDENTS TO FLUID MECHANICS ....D, 268
INTRODUCTION TO COMMENTS FROM THE SOVIET UNION ON THE REPORT OF THE ENGINEERING EDUCATION EXCHANGE MISSION ....F, 388

JIMMY W. SEYLER—NEW ASSISTANT SECRETARY FOR ASEE ....N, 102

KNOW YOUR ASEE OFFICERS ....N, 170

LAMME AWARD ....O, 24

MANUFACTURING PROCESSES COURSES ..Je, 884
MARK OF AN EDUCATED MAN ....A, 636
MATHEMATICIAN IN AN ENGINEERING SCHOOL ....F, 441
MECHANICS DIVISION BULLETIN D, 262; A, 654
MECHANICAL ENGINEERING EDUCATION IN NORWAY TODAY ....My, 698
MODERN APPROACH TO TEACHING MANUFACTURING PROCESSES ....J, 316

NATIONAL SCIENCE FOUNDATION FELLOWSHIPS PROGRAMS ....D, 216
NATIONAL SCIENCE FOUNDATION SUMMER INSTITUTES FOR ENGINEERING TEACHERS ....J, 297
NATIONAL STANDARD EXAMINATIONS IN MECHANICS ....D, 263
NEEDED—A FORUM FOR RESEARCH PHILOSOPHY ....N, 152
NEW HORIZONS FOR EXPERIMENTAL INVESTIGATION IN THE MECHANICAL ENGINEERING CURRICULA ....Je, 877
NEW MIDDLE EASTERN UNIVERSITY WITH MODERN WESTERN WORLD OBJECTIVES ....My, 703
NEW MEMBERS OF ASEE ....O, 88
NEW TOOLS FOR NEW ENGINEERS ....N, 103
NEW YORK UNIVERSITY GRADUATE CENTER AT BELL LABORATORIES ....M, 587
NOMINEES FOR ASEE OFFICES ....F, 374
NOTE ON DIMENSIONAL ANALYSIS ....O, 63
NSF FELLOWSHIPS FOR GRADUATE TEACHING ASSISTANTS FOR SUMMER 1960 O, 60
NUMERICAL ANALYSIS AND COMPUTERS IN ENGINEERING EDUCATION ....Je, 856

OFFICERS AND COUNCIL MEMBERS ....YB, 475
OFFICERS NOMINATED FOR 1960–61 ....D, 198
OFFICERS OF BRANCHES, 1959–60 ....YB, 488
OFFICERS OF DIVISIONS, 1959–60 ....YB, 482
OFFICERS OF SECTIONS, 1959–60 ....YB, 485
ORGANIZATION OF THE SOCIETY ....YB, 474
ORGANIZED HELP FOR HIGH SCHOOL SCIENCE TEACHERS ....O, 44
OTHER ASEE AWARDS ....O, 32

PART-TIME GRADUATE ELECTRICAL ENGINEERING PROGRAMS IN THE SAN FRANCISCO BAY AREA ....M, 582
PART-TIME GRADUATE STUDY IN THE NEW YORK METROPOLITAN AREA ....M, 574
PHYSICS AND ENGINEERING EDUCATION: COMPLEMENTARY OR SUPPLEMENTARY? ....M, 556
PLACE OF MECHANICS AS AN ESSENTIAL FOUNDATION OF THE ENGINEERING SCIENCES ....A, 656
PLANNING A GOOD PROFESSIONAL MEETING ....O, 41
PREPARATION OF COLLEGE FRESHMEN FOR TECHNOLOGICAL STUDIES ....F, 396
PROGRAMS FOR EMPLOYING FACULTY MEMBERS IN INDUSTRY, SUMMER, 1960 J, 300

PROPOSAL FOR THE UNIFICATION OF STUDENT ENGINEERING SOCIETIES ....M, 551
PURDUE UNIVERSITY—ANNUAL MEETING HOST FOR 1960 .....M, 533

REEVALUATION OF TECHNIQUES .....N, 118
RENSSELAER-UNION COLLEGE CONFERENCE ON ELECTRICAL ENGINEERING EDUCATION .....F, 427
REPORT OF ASEE REPRESENTATIVES TO THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE .....N, 176
REPORT OF THE CONFERENCE ON RESEARCH GOALS .....A, 620
REPORT ON INDONESIAN ADVENTURE ..My, 728
REPRESENTATIVES OF THE SOCIETY TO OTHER ORGANIZATIONS .....YB, 488
ROLE OF ENGINEERING IN THE GEOPHYSICAL SCIENCES .....F, 408

SECTION MEETINGS ....O, 53; F, 448; Je, 900
SETTING UP A COMPUTING FACULTY IN A SCHOOL OF ENGINEERING .....Je, 846
SMALL ROCKET FOR LABORATORY DEMONSTRATION .....D, 251
SOCIETY COMMITTEES .....YB, 479
SOCIETY RECORDS .....YB, 492
SPACE TECHNOLOGY .....N, 113
SPONSORED RESEARCH—GOOD OR BAD? M, 565
STATICS AND DYNAMICS IN UNDERGRADUATE CIVIL ENGINEERING EDUCATION .....A, 658
STATISTICAL THERMODYNAMICS .....M, 560
STUDENT LEADERSHIP TRAINING IN THE LABORATORY .....F, 415
STUDY OF THE PROPERTIES OF ENGINEERING MATERIALS .....Je, 879
SUPPORT OF BASIC RESEARCH BY THE ENGINEERING SCIENCES PROGRAM OF THE NATIONAL SCIENCE FOUNDATION D, 207

TEACHING AND PRACTICE OF SOIL MECHANICS—A SECOND COMPARISON .....J, 309
TEACHING EFFICIENCY AND CLASS SIZE .O, 37
TEACHING MACHINES .....O, 51
TEACHING OF MODERN MATHEMATICS TO ENGINEERS .....F, 437
TEACHING POSITIONS AVAILABLE...O, 64; N, 180; D, 287; J, 334; F, 444; M, 591, A, 674, My, 746; Je, 887
TECHNICAL EDUCATION AND RESEARCH IN INDIA .....My, 719
TECHNICAL GRADUATE IN INDUSTRY ...Je, 874
TO *All* ENGINEERING TEACHERS .....D, 254
TRANSFERS TO SCHOOLS OR COLLEGES OF ENGINEERING—1951, 1952, 1953, and 1959 .....Je, 869
TRENDS IN FRESHMAN ENGINEERING ENROLLMENT 1957–1958–1959: SUMMARY OF RESULTS AND CONCLUSIONS .....N, 157
TWO YEARS OF EXPERIMENTAL WORK ON VARIOUS TEACHING METHODS AND CLASS SIZES .....F, 380

USE OF A MODERN COMPUTER AS A TEACHING AID IN STRUCTURAL ANALYSIS AND DESIGN .....Je, 860
UTILIZATION OF ENGINEERING FACULTY TIME .....D, 244

VINCENT BENDIX AWARD .....O, 28

WEEK OF ACCOMPLISHMENT .....O, 15
WELDING EDUCATION IN THE ENGINEERING CURRICULA .....Je, 883
WHAT CAUSED COLLEGE STUDENTS TO STUDY ENGINEERING .....M, 537
WHAT *is* THE CURRENT B.CH.E. CURRICULUM? .....O, 65
WHAT'S GOING ON IN ASEE.....O, 21; N, 172; D, 277, J, 361; M, 595; Je, 897
WHERE DO WE GET OUR ETHICS? ...M, 548
WHO AM I AND WHO ARE YOU? .....A, 650
WHO TEACHES THE TEACHER? .....O, 33
WHY THEY QUIT TEACHING .....D, 232

YOUNG ENGINEERING TEACHERS SUMMER INSTITUTE ON EFFECTIVE TEACHING M, 536

Subject Index

Volume 50, 1959-1960

ADVISING STUDENTS ....F, 429
AERONAUTICAL DIVISION ....Je, 896
AFRICA ....My, 743
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE ....N, 176
ANALOG COMPUTER ....N, 107
ANNUAL MEETINGS
O, 15; J, 294; YB, 499; M, 533; A, 608
ARCHITECT ....F, 375
ARCHITECTURAL ENGINEER ....F, 375
ASEE REORIENTATION ....N, 125
ASIA ....My, 713
ASSISTANT SECRETARY ....N, 102
AUDIT REPORT ....YB, 468
AWARDS O, 24, 26, 28, 30, 32; N, 179; YB, 496

BARLOW, H. W. ....N, 171
BEAMS, DEFLECTION OF ....D, 273
BENDIX AWARD ....O, 28
BURTON, W. W. ....N, 170
BY-LAWS ....YB, 502
BY-LAWS, ECAC ....YB, 514
BY-LAWS, ECRC ....YB, 511

CANDID COMMENTS
O, 83; N, 181; F, 407; A, 671; Je, 889
CHEMICAL ENGINEERING CURRICULUM .O, 65
CIVIL ENGINEERING ....A, 658
CIVIL ENGINEERING DIVISION BULLETIN
M, 594
CLASS SIZE ....O, 37; F, 380
COMMITTEES ....YB, 479
COMMITTEE ON THE DEVELOPMENT OF ENGINEERING FACULTIES ....My, 757
COMPUTERS
N, 107; Je, 835, 839, 846, 852, 856, 860
COMPUTER DESIGN ....Je, 852
COMPUTING FACULTY ....Je, 846
CONFERENCES ....J, 336
CONSTITUTION AND BY-LAWS ....YB, 502
CONSULTING PRACTICE ....O, 81
COUNCIL MEMBERS ....YB, 475
COUNSELING ....N, 166

DEFINITION OF ENGINEERING ....D, 257
DESCRIPTIVE GEOMETRY ....A, 627
DESIGN, ANALOG COMPUTER IN ....N, 107
DIMENSIONAL ANALYSIS ....O, 63
DIVISION OFFICERS ....N, 187
DOCTORAL PROGRAM ....O, 46
DRAWING ....J, 321
DROPOUTS ....A, 611
DYNAMICS ....A, 658

EDITOR'S REPORT ....J, 367
EDUCATION FOR THE AGE OF TECHNOLOGY ....N, 159
EDUCATION FOR SURVIVAL ....M, 523
ELECTRICAL ENGINEERING ....F, 427
ENGINEERING COLLEGE ADMINISTRATIVE COUNCIL ....N, 183; J, 361; YB, 478
ENGINEERING COLLEGE RESEARCH COUNCIL ....N, 183; J, 363; YB, 477
ENGINEERING ECONOMY ....F, 418
ENGINEERING ECONOMY SUMMER SCHOOL
N, 106
ENGINEERS FOR A DYNAMIC WORLD
N, 103, 107, 113, 118, 121, 125
ENGINEERING FOR THE FUTURE ....A, 602
ENGINEERING SCIENCES .D, 199, 207; A, 656
ENGINEERING TECHNICIAN SURVEY ....D, 230
ENROLLMENTS .N, 136, 157; D, 230, YB, 450
ETHICS ....M, 548
EUROPE ....My, 690
EVALUATION OF TEACHING
A, 673; Je, 863, 866
EXCHANGE EDUCATION ....J, 328
EXCHANGE MISSION ....F, 388
EXECUTIVE BOARD
O, 21; N, 172; M, 595; Je, 897

FACULTY LOSS ....D, 232
FACULTY RECRUITMENT, DEVELOPMENT AND UTILIZATION ....My, 757
FACULTY TIME UTILIZATION ....D, 244
FELLOWSHIPS PROGRAMS ....D, 216
FLUID MECHANICS ...O, 77; D, 268; A, 666
FRENCH ENGINEERING SCHOOLS ....My, 694
FRESHMEN ....N, 157; F, 396

GENERAL COUNCIL ....N, 172; M, 595
GEOPHYSICAL SCIENCES ....F, 408
GRAPHICS ....J, 321, 330
GUIDANCE ....M, 537

HIGH SCHOOL TEACHERS ....O, 44
HUMANITIES ..M, 572; A, 636, 640, 644, 650

INDIA ....My, 719
INDONESIA ....My, 728
INDUSTRIAL BEHAVIOR ....O, 54
INDUSTRIAL ENGINEERING
O, 54; J, 316; Je, 884
INDUSTRIAL FELLOWSHIP PROGRAM ....N, 179
INDUSTRY, TECHNICAL GRADUATE IN ...Je, 874
INSTITUTIONAL MEMBERS ....YB, 490
INTERNATIONAL ENGINEERING EDUCATION
My 683
ISRAEL ....My, 707

KUDER ENGINEERING SCALES ....N, 166

LABORATORY .....F, 415
LAMME AWARD .....O, 24
LEADERSHIP TRAINING .....F, 415
LIBERAL ARTS .....A, 640
LOSS OF FACULTY .....D, 232

MANUFACTURING PROCESSES ...J, 316; Je, 884
MATERIALS .....Je, 879
MATHEMATICS .....F, 437, 441; A, 631
McGRAW AWARD .....O, 30
MECHANICS .....D, 263, 273; A, 656, 662
MECHANICS DIVISION .....D, 262; A, 654
MECHANICS, FLUID ...O, 77; D, 268; A, 666
MECHANICAL ENGINEERING .....O, 63; Je, 877
MEETING PLANNING .....O, 41
MEMBERS OF ASEE, NEW .....O, 88
MIDDLE EASTERN UNIVERSITY .....My, 703

NATIONAL DEFENSE EDUCATION ACT ..M, 544
NATIONAL SCIENCE FOUNDATION
D, 199, 207, 216; J, 297
NATIONAL SCIENCE FOUNDATION FELLOWSHIPS .....O, 60; D, 216
NEW TOOLS FOR NEW ENGINEERS ....N, 103
NOMINEES FOR ASEE OFFICES .....F, 374
NORWAY, MECHANICAL ENGINEERING EDUCATION .....My, 698
NUMERICAL ANALYSIS .....Je, 856

OFFICERS .....N, 170; YB, 475
OFFICERS NOMINATED .....D, 198
OFFICERS OF BRANCHES .....YB, 488
OFFICERS OF DIVISIONS .....YB, 482
OFFICERS OF SECTIONS .....YB, 485
OFFICERS' REPORTS .....D, 277
ORGANIZATION OF THE SOCIETY N, 12; YB, 474
OWENS, R. G. .....N, 170

PART-TIME GRADUATE STUDY M, 574, 582, 587
PHYSICS .....M, 556;A, 631
PREPARATION FOR COLLEGE .....F, 396
PRESIDENT OF ASEE .....O, 9
PRESIDENTIAL ADDRESS .....O, 10
PURDUE .....M, 533; A, 608

REEVALUATION OF TECHNIQUES .....N, 118
REPRESENTATIVES TO OTHER ORGANIZATIONS .....YB, 488
RESEARCH .....M, 565, 569; A, 620
RESEARCH PHILOSOPHY .....N, 152
ROCKET FOR LABORATORY DEMONSTRATION .....D, 251

SECONDARY SCHOOLS .....F, 411
SECTION MEETINGS ....O, 53; F, 448; Je, 900
SECTION OFFICERS .....N, 190
SEYLER, J. W. .....N, 102
SHORT COURSES .....J, 336; My, 748
SMALL COLLEGE DOCTORAL PROGRAM ...O, 46
SOCIAL SCIENCES .....A, 644
SOCIETY RECORDS .....YB, 492
SOIL MECHANICS .....J, 309
SOUTH AMERICA .....My, 734
SOVIET UNION .....F, 388
SPACE TECHNOLOGY .....N, 113
STATICS .....A, 658
STRUCTURAL ANALYSIS AND DESIGN ....Je, 860
STUDENT DROPOUTS .....A, 611
SUMMER EMPLOYMENT .....J, 300
SUMMER INSTITUTES .J, 297; F, 447; M, 536
SUMMER SCHOOLS .....N, 106; YB, 501

TEACHING .....O, 33
TEACHING EFFICIENCY .....O, 37
TEACHING MACHINES .....O, 51
TEACHING METHODS .....F, 389
TEACHING POSITIONS AVAILABLE
O, 64; N, 180; D, 287; J, 334;
F, 444; M, 591; A, 674; My, 746; Je, 880
TEARE, B. R. .....O, 9
TECHNICAL INSTITUTE .....F, 447
TECHNICAL INSTITUTE CURRICULA ....N, 118
TECHNICAL INSTITUTE ENROLLMENTS, GRADUATIONS .....N, 134
TECHNICAL STUDENTS FROM RAPIDLY DEVELOPING COUNTRIES .....My, 736
TELEVISION .....M, 548
THERMODYNAMICS .....O, 77; M, 560
TRANSFERS TO SCHOOLS OR COLLEGES OF ENGINEERING .....Je, 868

UNIFICATION OF STUDENT ENGINEERING SOCIETIES .....M, 550
UTILIZATION OF STAFF AND FACILITIES ..F, 429

WELDING EDUCATION .....Je, 888
WESTINGHOUSE AWARD .....O, 24

YET PAPER CONTEST WINNER .....O, 33, 35
YETs .....J, 312; M, 536
YETITUDES .....D, 254

l. 50—No. 10

ONSTRA-
....D, 251

....F, 411
48; Je, 900
....N, 190
....N, 102
6; My, 748
1 ...O, 46
....A, 644
...YB, 492
....J, 309
...My, 734
....F, 388
....N, 113
....A, 658
....Je, 860
....A, 611
....J, 300
447; M, 536
06; YB, 502

....O, 33
....O, 37
....O, 51
....F, 380

J, 334;
746; Je, 887
....O,
....F, 447
A ....N, 131
LLMENTS,
....N, 134
DLY DE-
....My, 75
....M, 54
, 77; M, 56
LEGES OF
....Je, 86

GINEERING
....M, 55
TIES ..F, 43

....Je, 88
....O, 2

...O, 33, 3
, 312; M, 53
....D, 254